

Exploring Disciplinary Differences in Data Management Practices

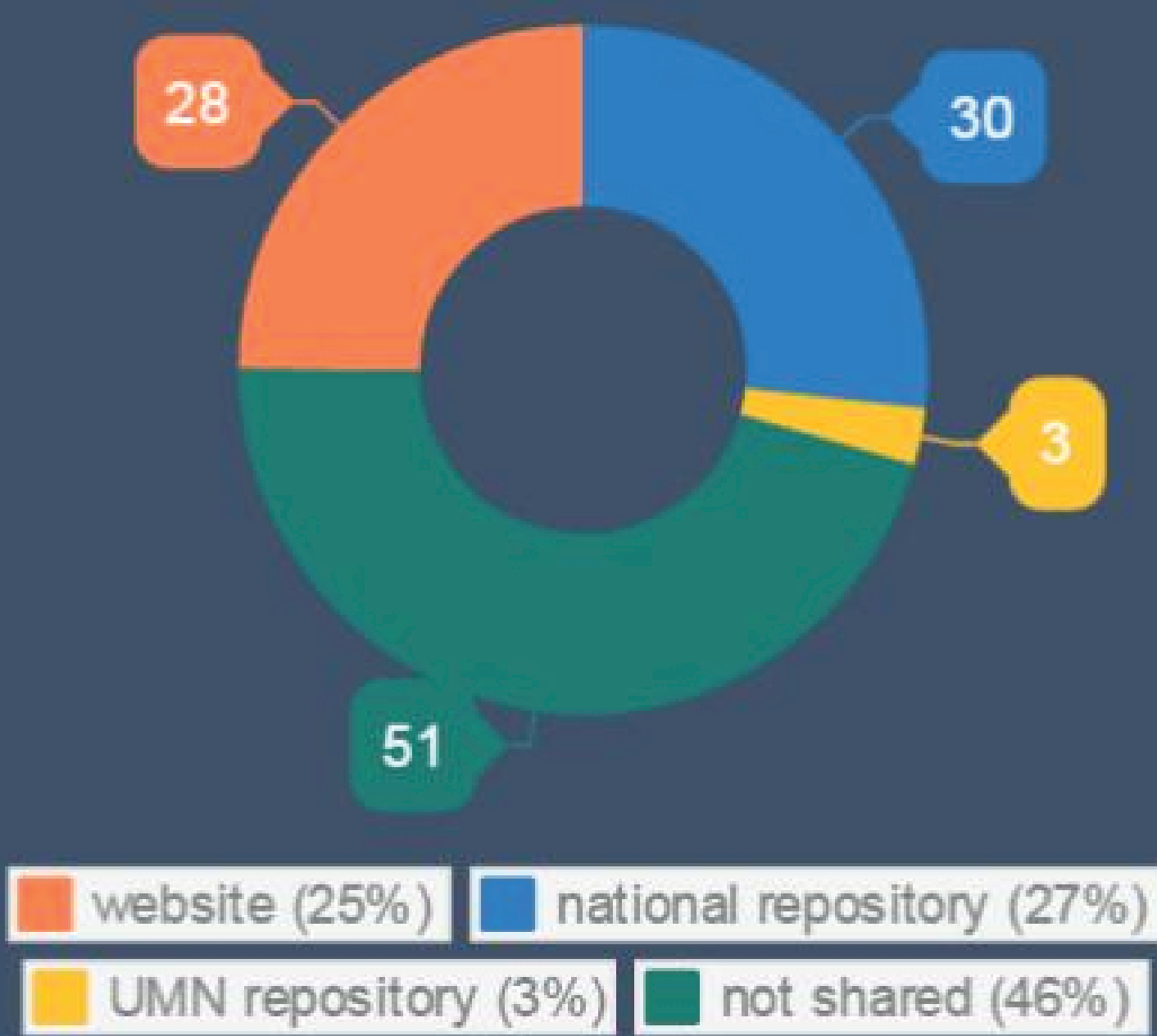
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Objectives

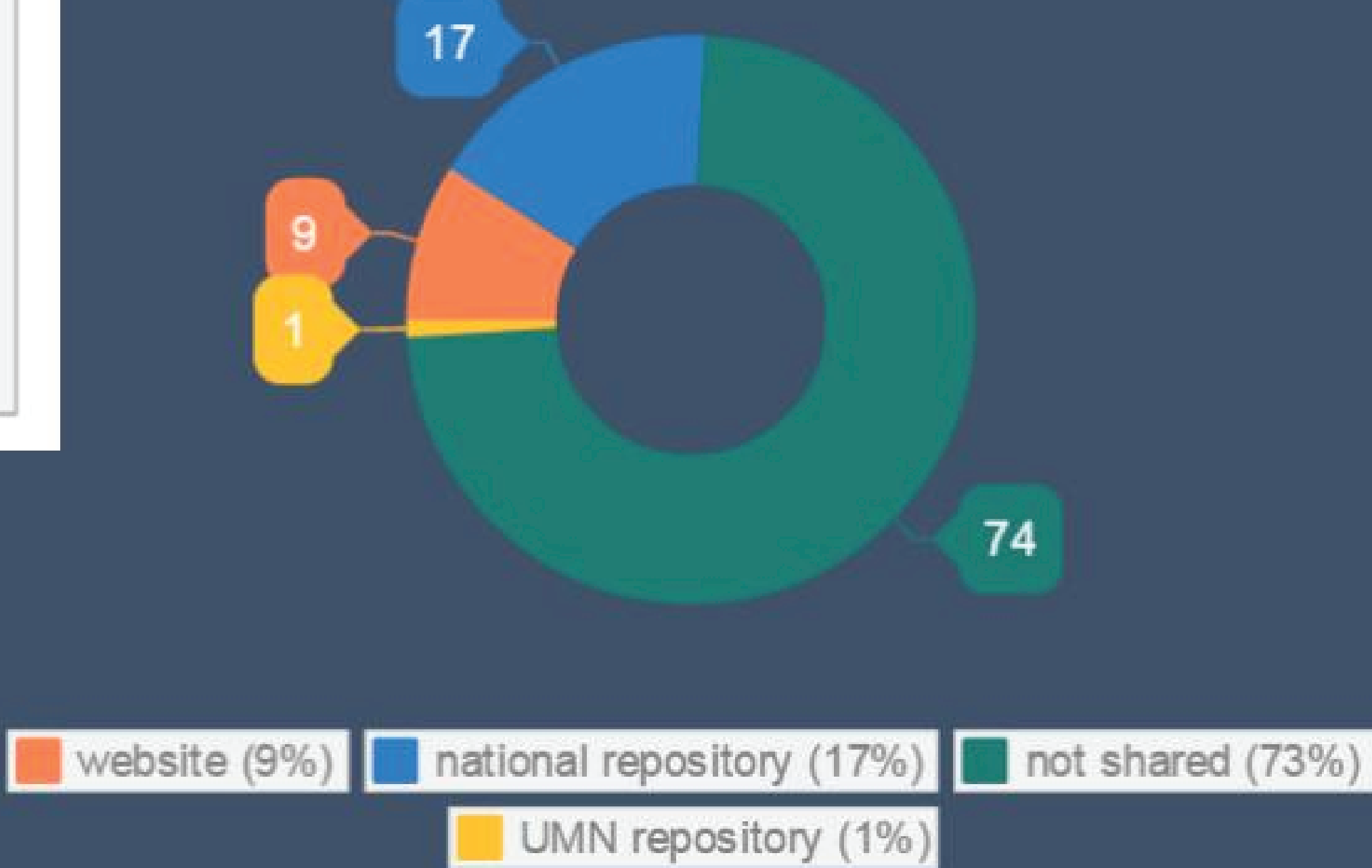
- ✓ **Consider** National Institutes of Health (NIH) and National Science Foundation (NSF) data management requirements and how they impact researchers.
- ✓ **Compare** requirements and practices of data management plans in the life sciences and health sciences.
- ✓ **Discuss** researchers' attitudes and approaches to data management plans and potential barriers to adoption.

Where are you sharing your materials? ▼

College of Food, Agriculture, and Natural Resources (CFANS)



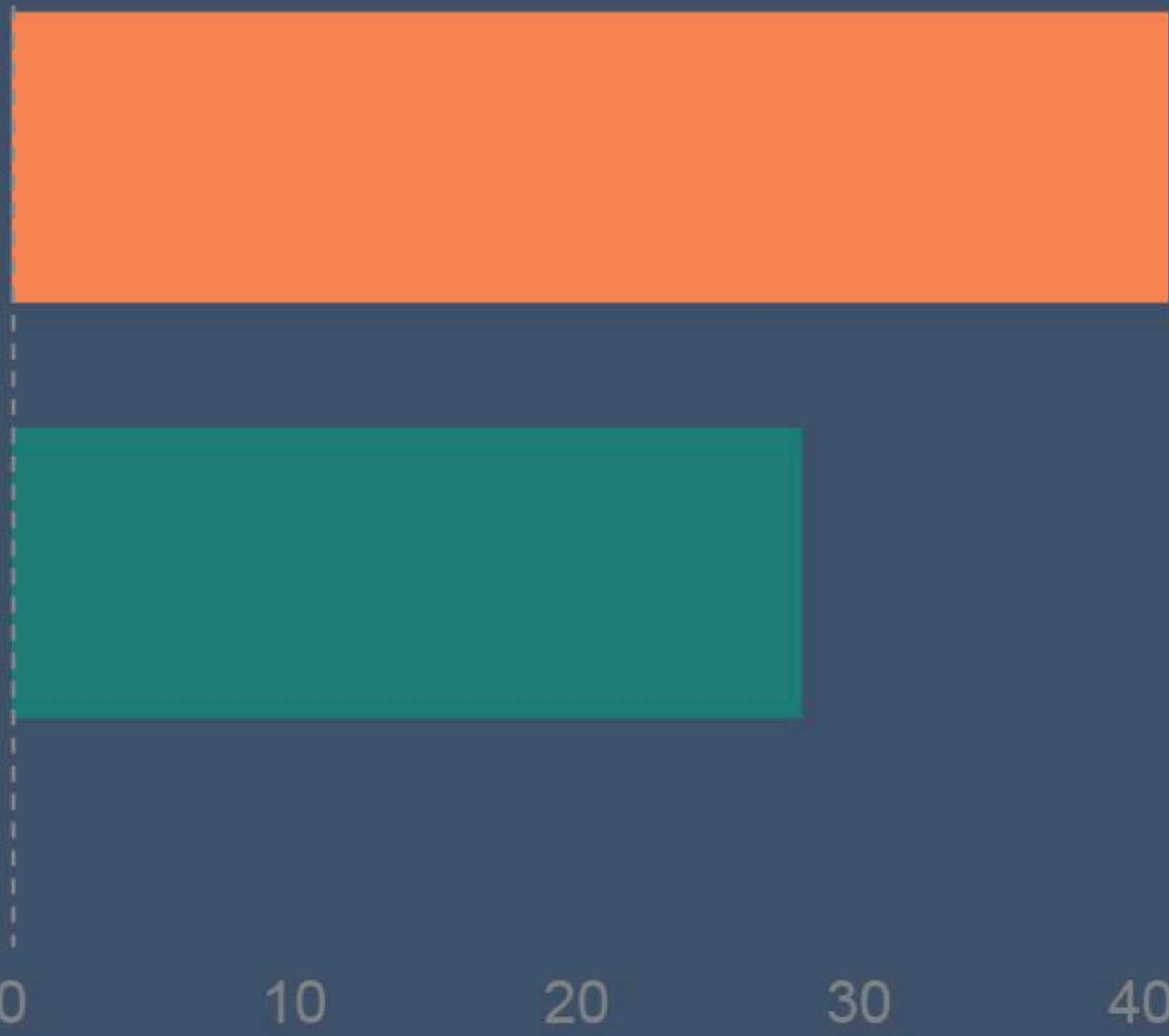
Academic Health Center (AHC)



National Institutes of Health (NIH) and National Science Foundation (NSF) data sharing requirements ▶

Agency ▼	Disciplines	Effective Date	DMP Required	DMP Requirements	Sharing Venue
NIH	Biology, Clinical Research, Social and Behavioral Sciences, Epidemiology, Neuroscience, Infectious Disease, Genetics	2003	Only data sharing, over \$500,000 a year in direct costs	If data will be shared and, if so, how	Not specified, discretion of researcher
NSF	Chemistry, Geosciences, Computer and Information Sciences, Engineering, Life Sciences, Mathematics, Physics & Astronomy, Psychology, Social Sciences	2011	Yes, for all plans	Types of data to be produced, Metadata standards to be used, Policies for access and sharing, Policies and provisions for re-use, Plans for archiving and ensuring long-term preservation	Not specified, discretion of researcher

Have you written a data management plan? ▼



41% College of Food, Agriculture, and Natural Resources (CFANS)
28% Academic Health Center (AHC)

Conclusions

- ✓ **Know** disciplinary differences affect researchers' attitudes towards data management and sharing practices.
- ✓ **Tailor** library can tailor services to meet differing needs by building capacity in liaison librarians and library staff.
- ✓ **Change** revisions of data management requirements based on the OSTP memo are providing new opportunities.

Why not share? ▼

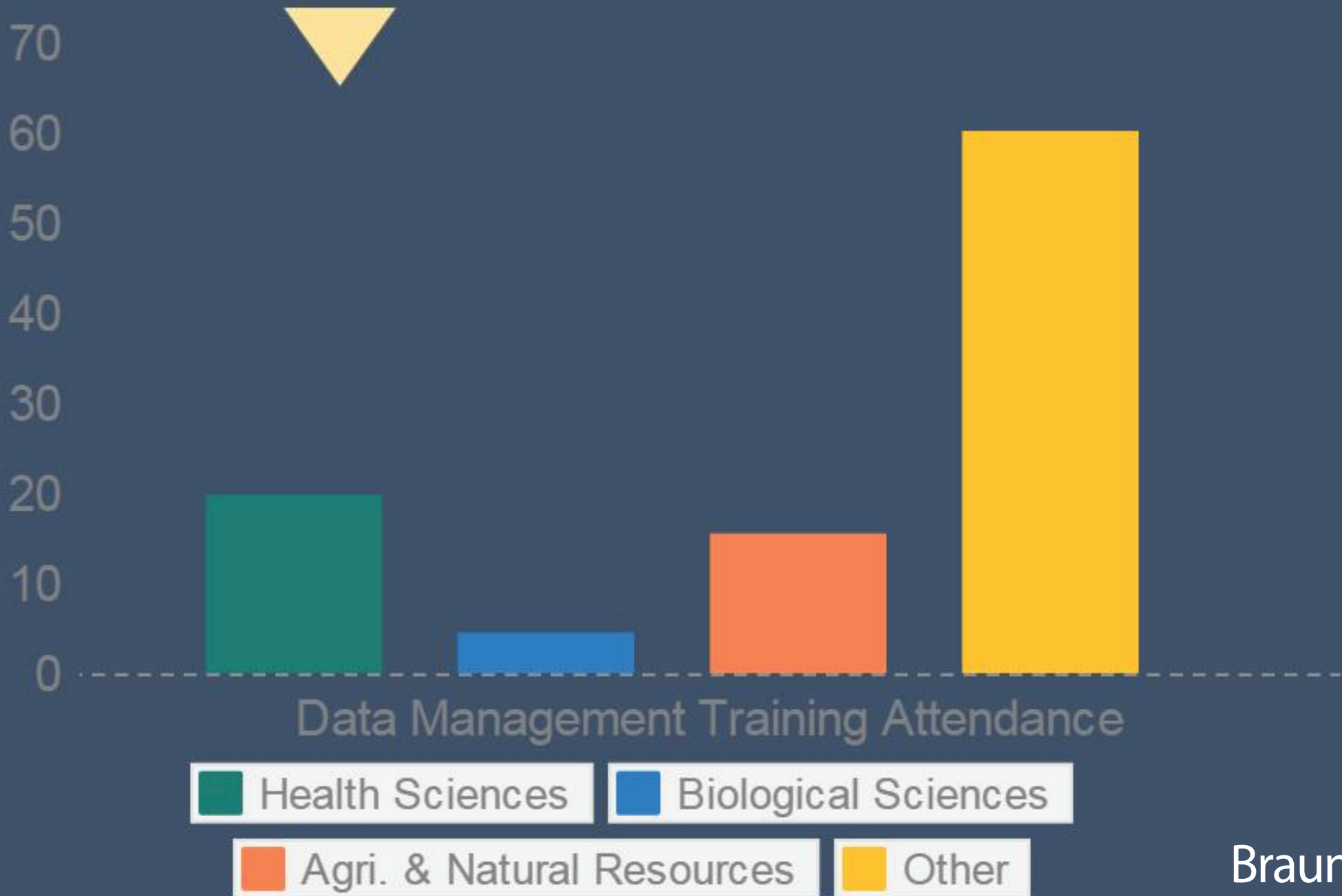
College of Food, Agriculture, and Natural Resources (CFANS)

37% Sponsor doesn't require sharing
37% Worried about scooping

Academic Health Center (AHC)

33% People don't need access
32% Sponsor doesn't require sharing

Have you attended data management training? ▼



References

Bishoff, J. & Hoflich-Mohr, A. (2015). [Data management in CFANS]. Unpublished data.
Braun, S., Johnston, L., & Hoflich-Mohr, A. (2014). [Data management in the AHC]. Unpublished data.
Johnston, L. & Bishoff, C. (2015). [Data management workshop attendee info]. Unpublished data.